27 0 000000

$$f(x) = \frac{1}{2}x^2 - \frac{m}{2}h(1+2x) + mx - 2m$$

01000000 f(x)

$$\lim_{0 \to \infty} m = -1_{0 \to 0} X_{0} X_{1} \in (0,1) \quad X \neq X_{2} = \frac{f(X_{2}) - f(X_{1})}{X_{2} - X_{1}} < \frac{1}{3}_{0}$$

$$f(x) = \frac{1}{2}x^2 - \frac{m}{2}ln(1+2x) + nx - 2m$$

$$\therefore f(x) = X - \frac{m}{1+2x} + m = \frac{2x^2 + (2m+1)x}{1+2x} = \frac{x(2x+2m+1)}{2x+1}$$

①
$$2m+1=0$$
 $m=-\frac{1}{2}$ $f(x)...0$

$$2 \cdot 0 < 2m + 1 < 1_{0} - \frac{1}{2} < m < 0$$

$$f(x) = (-\frac{1}{2} - \frac{2m+1}{2}) = (0, +\infty) = 0$$

$$0^{\left(-\frac{2m+1}{2}0\right)}$$

$$m<-\frac{1}{2}$$

$$(0,-\frac{2m+1}{2})$$

$$\frac{e-1}{2}$$
" - $\frac{2m+1}{2}$

$$X \in \left(-\frac{1}{2}, \frac{e \cdot 1}{2}\right] \xrightarrow[]{0000000} X_{000} f(X_{0}) > e + 1_{000000}$$

$$f(0) > e + 1_{00000000}$$

$$m < -\frac{e+1}{2}$$

$$f(x) = x + \frac{1}{2x + 1} - 1 \left(0, \frac{\sqrt{2} - 1}{2}\right)$$

$$\begin{bmatrix} (\frac{\sqrt{2}-1}{2} & 1) & 0 \end{bmatrix}$$

$$\int f(0) = 0 \int f_{11} = \frac{1}{3}$$

$$f(x) < \frac{1}{3}$$

$$f(x) = \frac{a - \ln x}{x} = \frac{1 -$$

$$f(x) = \frac{a - \ln x}{x}$$

$$\therefore f(x) = \frac{x!(-\frac{1}{x}) - (a - lnx)}{x^2} = \frac{-1 - a + lnx}{x^2}$$

$$\begin{bmatrix} f \end{bmatrix} = 0$$

$$\therefore -1 - a + ln = 0$$

$$\square\square X=1$$

$$f(x) = 100600$$

$$|\frac{f(\chi)-f(\chi_2)}{\chi_1-\chi_2}| > \frac{K}{\chi_1 \square \chi_2} \qquad |\frac{f(\chi)-f(\chi_2)}{\frac{1}{\chi_1}-\frac{1}{\chi_2}}| > K$$

$$g(\frac{1}{X}) = f(x)$$

$$g(x) = x - x \ln x \quad x \in (0_{\square} e^{2}]_{\square}$$

$$g(x) = -\ln x \underset{\square}{\square} x \in (0_{\square} e^{z}]_{\square} g(x) = -\ln x.2_{\square}$$

$$\left| \frac{f(x) - f(x_2)}{\frac{1}{X_1} - \frac{1}{X_2}} \right| \ge 2$$

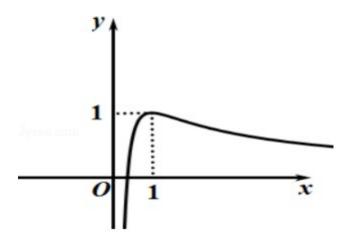
$0000 \, ^{k} 000000 \, ^{\left(-\infty\right.} \, 0^{\left.2\right]} 0012 \, 00$

$$300000 f(x) = \frac{1 + \ln x}{x}$$

$$f(x) = \frac{\ln x}{x^2}$$

$$f(x) > 0 \Rightarrow 0 < x < 1 \quad f(x) < 0 \Rightarrow x > 1$$

$$= f(\mathbf{x}) = (0,1) =$$



$$\therefore 000 (t, t + \frac{2}{3}), t > 0$$

$$0000000 f(x)$$

$$\int_{1}^{1} 1 < t + \frac{2}{3}$$

$$f(t) = \frac{1 + Int}{t} < 0 \qquad \frac{1}{3} < t < \frac{1}{e_0}$$

$$f(X_2) - \frac{k}{X_2} ... f(X_l) - \frac{k}{X_l}$$

$$F(x) = f(x) - \frac{k}{x} = \frac{1 + \ln x}{x} - \frac{k}{x}$$

$$F(x) = f(x) - \frac{k}{x} \left[\vec{e} \right]^{+\infty}$$

$$F(x) = \frac{k - \ln x}{x^2}, \quad 0 \quad \text{otherwise} \quad 0$$

$$\square^{K, \ln X} \square^{[\vec{e}} \square^{+\infty)}$$
 00000

$$0000 \stackrel{X \in \left[\vec{\mathcal{C}}_{\Box} + \infty\right)}{=} 00 \stackrel{InX}{=} 0000 \stackrel{In\vec{\mathcal{C}}}{=} 2_{\Box}$$

∴ *K,* 2

$000 k_{000000} (-\infty_0 2]_0$

 $1 \mod^{f(x)} \mod^{X=0} \mod$

020000 g(X) 0 R0000000 a000000

$$0000001000 f(x) = e^{x} 0...0100$$

$$0000000 f(0) = 1_{0000}(0,1)_{0}$$

0000
$$f(x)$$
 0000 $x=0$ 000000 $y=x+1$ 0 ... 03 00

$$02009(x) = -x^2 + 2x - ae^x = g(x) = -2x + 2 - ae^x = 0$$

$$g(x) = -2x + 2 - ae^x ... 0_{0000} ... 05_{00}$$

$$\int h(x) = \frac{-2x+2}{e^x}$$

$$H(X) = \frac{2(X-2)}{e^{x}} = 0$$

$$\int_{0}^{\infty} X = 2 \int_{0}^{\infty} h(x)_{mn} = h(2) = \frac{-2}{e^{r}}$$

$$(-\infty, -\frac{2}{\vec{e}}]$$

$$f(\frac{X_1 + X_2}{2}) < \frac{f(X_1) - f(X_2)}{X_1 - X_2} \xrightarrow{0 \le 1} e^{\frac{X_1 + X_2}{2}} < \frac{e^{X_1} - e^{Y_2}}{X_1 - X_2}$$

$$e^{\frac{X_1^{-}X_2}{2}} < \frac{e^{X_1^{-}X_2} - 1}{X_1^{-}X_2} \xrightarrow{0.000} X_1 > X_2 t = \frac{X_1^{-}X_2}{2}$$

$$\vec{e} < \frac{\vec{e}^t - 1}{2t}(t > 0)$$

$$0000 \ 2t \vec{e} < \vec{e}^t - 1_0 \ t > 0 \ 0000 \ \cdots \ 011 \ 00$$

$$\Box^{h(t) = e^{t} - 2te - 1}$$

$$\prod h'(t) = \vec{e}^{t} (2t) - 2t\vec{e} - 2\vec{e} = 2\vec{e}^{t} - 2t\vec{e} - 2\vec{e} = 2\vec{e}(\vec{e} - t - 1)$$

$${}_{\square}\varphi(\hbar)=\dot{e}\cdot t\cdot 1_{\square\square}\,t>0_{\square}\varphi'(\hbar)=\dot{e}\cdot 1>0_{\square\square\square}$$

$$2t\vec{e} < \vec{e}^t - 1_{\square} \ t > 0_{\square\square\square\square}$$

$$e^{\frac{X_1^* \cdot X_2}{2}} < \frac{e^{X_1^* \cdot X_2} - 1}{X_1^* \cdot X_2} \prod_{i=1}^{n} f(\frac{X_1^* + X_2}{2}) < \frac{f(X_1^*) - f(X_2^*)}{X_1^* \cdot X_2} \prod_{i=1}^{n} \frac{16 \prod_{i=1}^{n} f(X_1^*) - f(X_2^*)}{2}$$

$$500000 f(x) = \ln x_0$$

$$g(x) = af(x) - \frac{1}{x_{00000}}$$

02000000
$$X > 0$$
0000 $f(x)$,, ax , e^{x} 0000000 a 000000

$$\frac{f(x_1) - f(x_2)}{x_1 - x_2} > \frac{2x_2}{x_1^2 + x_2^2}$$

$$f(x) = \ln x \quad g(x) = a \ln x - \frac{1}{x}$$

$$g'(x) = \frac{a}{X} + \frac{1}{x^2} = \frac{aX+1}{x^2} \cdots$$

$$0 = a < 0$$

$$x \in (-\frac{1}{a}, +\infty), g'(x) < 0$$

$$020^{||} 000 X > 0 0000000 X > 0 0000 f(x), ax, e^{x}0000$$

$$h(x) = \frac{hx}{X}, h'(x) = \frac{1 - hx}{X}$$

$$X \in (0, e) \quad \text{if } (x) > 0$$

$$\underset{\square}{t(x)} = \frac{e^{x}}{X}, t(x) = \frac{xe^{x} - e^{x}}{X^{2}} = \frac{e^{x}(x-1)}{X^{2}} \underset{\square}{\square} x \in (0,1) \underset{\square}{\square} t'(x) < 0$$

$$\underset{\square}{X} \in (1,+\infty) \underset{\square}{\cap} t(x) > 0 \underset{\square}{\cap} X = 1 \underset{\square}{\cap} t_{nm}(x) = e_{\underset{\square}{\cap}} \dots \underset{\square}{\cap} 9 \underset{\square}{\cap}$$

$$t = \frac{X_1}{X_2} > 1 \quad \text{if } t = 1 \text{ in } t - \frac{2t - 2}{t^2 + 1} \quad \text{if } t = \frac{(t^2 - 1)(t^2 + 2t - 1)}{t(t^2 + 1)^2}$$

$$\frac{f(X_1) - f(X_2)}{X_1 - X_2} > \frac{2X_2}{X_1^2 + X_2^2}$$

$$f(x) = \frac{a - 2\ln x}{x^2} \cos^{-1}(1 - f_{-1}) \cos^{-1}$$

$$200000 \stackrel{X_1}{\longrightarrow} X_2 \in (0, \frac{1}{e}] \\ 0 | \frac{f(X) - f(X_2)}{X^2 - X_2^2}| > \frac{k}{X^2 \square X_2^2} \\ 0000 \stackrel{K}{\longrightarrow} K_0 \\ 000000$$

$$f(x) = \frac{-2 - 2a + 4hx}{x^3} (x > 0)$$

$$(1_0 f_{010})_{0000000} y = -4x + 1_{000}$$

$$f(x) = \frac{-2 - 2a + 4hx}{x^{2}} = \frac{-4 + 4hx}{x^{2}} = 0$$

$$\square\square X = e_\square$$

$$00^{f(x)}0^{(e+\infty)}000000$$

$$= \int_{\mathbb{R}^{n}} f(x) = \int_{\mathbb{R}^{n}} f(0, \theta) = 0$$

$$\therefore f(x)_{\square X} = e_{\square \square \square \square \square \square \square \square \square} f(e) = -\frac{1}{e^{e}}_{\square \square 6}$$

$$g(\frac{1}{X^2}) = f(X) \qquad g(X) = X + X \ln X \qquad X \in [\vec{e}_{\square} + \infty) g(X) = 2 + \ln X$$

$$\left| \frac{f(x) - f(x_2)}{\frac{1}{x_1^2} - \frac{1}{x_2^2}} \right| \ge 4$$

$$\cdots \cdots \overset{k}{=} \overset{(-\infty)}{=} \overset{4]}{=} \cdots 12 \cdots$$

70000
$$f(x) = e^{ix} - 2x(k_{000000})$$

$$0 100 K = 100000 f(x) 00000$$

$$0 | | 0 0 | f(x) ... 1 | 0 0 0 0 0 | K 0 0 0 0 0$$

$$\frac{f(x) - f(x)}{2} = \frac{f(x) - f(x)}{2} = \frac{f$$

$$000000 (I) 0 \quad f(x) = e^x - 2x_0$$

$$\therefore f(x) = e^x - 2$$

$$\prod_{x} f(x) = 0_{x} = InX_{x}$$

$$\text{ if } X < h \text{ if } X < h \text{ if } X < 0 \text{ if } X \text$$

$$\therefore f(x)_{\square\square\square\square} f(x2) = 2 - 2h2_{\square}$$

$$(II) 0 \quad f(x) = ke^{kx} - 2$$

$$\textcircled{1} \ \square \ ^{K < \, 0} \ \square \ \ ^{f(\, x)} \ \square \ \square \ \square \ \ \ ^{f(\, x)} \ \square \ R \square \square \square \square \square$$

$$\therefore$$
 000 $f(x)..1$ 0000

$$(2) \cap K > 0 \cap F(X) = 0 \cap X = \frac{1}{K} \ln \frac{2}{K}$$

$$\bigcap_{x \in \mathbb{R}} X < \frac{1}{k} \ln \frac{2}{k} \bigcap_{x \in \mathbb{R}} f(x) < 0 \mod f(x) \bigcap_{x \in \mathbb{R}} (-\infty, \frac{1}{k} \ln \frac{2}{k}) \bigcap_{x \in \mathbb{R}} X > \frac{1}{k} \ln \frac{2}{k} \bigcap_{x \in \mathbb{R}} f(x) > 0 \bigcap_{x \in \mathbb{R}} f(x) \cap_{x \in \mathbb{R}} (\frac{1}{k} \ln \frac{2}{k'}, +\infty) \bigcap_{x \in \mathbb{R}} f(x) \cap_{x \in \mathbb{R}} f(x) = 0 \bigcap_{x \in \mathbb{R}} f(x) \cap_{x \in$$

$$\therefore f(x) = \frac{1}{k} n \frac{1}{k} = \frac{2}{k} - \frac{2}{k} \ln \frac{2}{k}$$

$$\frac{2}{k}$$
 - $\frac{2}{k}ln\frac{2}{k}..1$

$$g(x) = x - x \ln(x > 0) \frac{g(\frac{2}{K}) ... 1}{0}$$

$$\therefore g(x)_{\square}(0,1)_{\square\square\square\square\square\square\square}(1,+\infty)_{\square\square\square\square\square\square}$$

$$\frac{2}{k} = 1$$

$$\lim_{n \to \infty} f(x_n) = ke^{ix_n} - 2.0_{n} k > 0_{n}$$

$$\frac{f(X_2)-f(X_1)}{X_2-X_1} < f(X_2)$$

$$\frac{f(x_2) - f(x_1)}{x_2 - x_1} < f(x_2)$$

$$\prod_{i \in [X_1]} f(X_2) - f(X_1) < (X_2 - X_1)(ke^{kx_2} - 2) \prod_{i \in [X_2]} e^{kx_2} - e^{kx_2} < k(X_2 - X_1)e^{kx_2} \prod_{i \in [X_2]} e^{kx_2}$$

$$0001 - e^{k(x_1 - x_2)} < k(x_2 - x_1) = e^{k(x_1 - x_2)} - k(x_1 - x_2) - 1 > 0$$

$$\exists \quad h(x) = e^x - 1 < 0$$

$$\therefore H(x)_{\square}(-\infty,0)_{\square\square\square\square\square\square}$$

$$\therefore H(x) > H(0) = 0$$

$$\therefore h(h(x_1 - x_2)) > 0$$

$$\frac{f(X_2)-f(X_1)}{X_2-X_1} < f(X_2)$$

$$f(x_2) < \frac{f(x_3) - f(x_2)}{x_3 - x_2}$$

$$\frac{f(X_2) - f(X_1)}{X_2 - X_1} < \frac{f(X_3) - f(X_2)}{X_3 - X_2}$$

 $(\text{ III})_{\square\square}2:$

$$f(X_0) = k E^{(x_0)} - 2 = \frac{f(X_0) - f(X_1)}{X_2 - X_1} \prod_{i=1}^{N} X_0 = \frac{1}{k} l x_i \frac{2}{k} + \frac{f(X_0) - f(X_1)}{k(X_0 - X_1)}$$

$$\bigcap \bigcap X_1 \leq X_2 \leq X_2 \bigcap$$

$$g(x) = f(x) = ke^{ix} - 2 g(x) = k^2 e^{ix} > 0$$

$$f(X_2) - \frac{f(X_2) - f(X_1)}{X_2 - X_1} = \frac{1}{X_2 - X_1} [(X_2 - X_1) f(X_2) - (f(X_2) - f(X_1))]$$

$$k'(x) = f(x) - f(x_2), 0$$

$$k(x_2) = 0$$
 x, x_2 $k(x) > 0$ $f(x_2) - \frac{f(x_2) - f(x_1)}{x_2 - x_1} > 0$

$$f(X) - \frac{f(X_2) - f(X)}{X_2 - X_1} < 0$$

$$f(x) = \frac{f(x_0) - f(x_0)}{x_0 - x_0}$$

$$f(X) = \frac{f(X_3) - f(X_2)}{X_3 - X_2}$$

$$\int f(x) \frac{f(x_2) - f(x_1)}{x_2 - x_1} < \frac{f(x_3) - f(x_2)}{x_3 - x_2}$$

800000
$$f(x) = e^{kx} - 2x(k \in R, k \neq 0)$$

01000000
$$X \in R_{000}$$
 $f(x)...1_{00}$ k_{000}

$$\frac{f(x_2) - f(x)}{X_2 - X_1} < f(x_2) < \frac{f(x_3) - f(x_2)}{X_2 - X_2} < \frac{f(x_3) - f(x_2)}{X_3 - X_2} = \frac{f(x_3) - f(x_3)}{X_3 - X_2} = \frac{f(x_3) - f(x_3)}{X_3 - X_3} = \frac{f(x_3) - f(x_3)}{X$$

$$00000010^{\parallel} \quad f(x) = R_0 \quad f(x) = k e^{kx} - 2_0$$

$$f(x)..1_{0000}$$

$$\bigcap_{k=0}^{\infty} X < \frac{1}{k} \ln \frac{2}{k} \bigcap_{k=0}^{\infty} f(x) < 0 \bigcap_{k=0}^{\infty} f(x) \bigcap_{k=0}^{\infty} (-\infty, \frac{1}{k} \ln \frac{2}{k}) \bigcap_{k=0}^{\infty} (-\infty, \frac{1}{k} \ln$$

$$\square^{X>\frac{1}{k}ln\frac{2}{k}} f(x) > 0 \underset{\square}{\square} f(x) = (\frac{1}{k}ln\frac{2}{k} + \infty) \underset{\square}{\square}$$

:.
$$f(x)min = f(\frac{1}{k}n\frac{2}{k}) = \frac{2}{k} - \frac{2}{k}ln\frac{2}{k}$$

$$\qquad \qquad 1 \quad f(x)..1_{ \color{red} \square \square \square \square \square} \ f(x)_{min}..1_{ \color{red} \square}$$

$$\frac{2}{k} - \frac{2}{k} \ln \frac{2}{k} ... 1$$

$$\bigcup \bigcup \bigcup \mathcal{G}(X) = X - X \ln X(X > 0) \bigcup$$

$$\therefore g'(x) = 1 - \ln x - 1 = -\ln x$$

$$\therefore g(x)_{\,\square}(0,1)_{\,\square\square\square\square\square\square\square}(1,+\infty)_{\,\square\square\square\square\square\square}$$

$$\therefore g(x), g_{010} = 1_{00000} x = 1_{00000010}$$

$$\frac{2}{k} = 1$$

$$0 = k e^{kx_0} - 2.0 = k > 0$$

$$\frac{f(x_2)-f(x_1)}{x_2-x_1} < f(x_2)$$

$$0 \quad X_2 - X_1 > 0$$

$$\prod_{\substack{n \in X_2 - X_1 \\ X_2 - X_1}} \frac{f(X_2) - f(X_1)}{f(X_2)} < f(X_2)$$

$$\bigcap_{n \in \mathbb{N}} f(x_2) - f(x_1) < (x_2 - x_1)(ke^{kx_2} - 2) \bigcap_{n \in \mathbb{N}} ke^{kx_1} - e^{kx_1} < k(x_2 - x_1)ke^{kx_2} \bigcap_{n \in \mathbb{N}} ke^{kx_2} = e^{kx_1} = e^{kx_1} + e^{kx_2} = e^{kx_2} = e^{kx_1} + e^{kx_2} = e^{kx_2} = e^{kx_1} + e^{kx_2} = e^{kx_2} = e^{kx_1} = e^{kx_2} = e^{kx_1} = e^{kx_2} = e^{kx_2} = e^{kx_1} = e^{kx_2} = e^{kx_1} = e^{kx_2} = e^{kx_2} = e^{kx_1} = e^{kx_2} = e^{kx_1} = e^{kx_2} = e^{kx_2} = e^{kx_1} = e^{kx_2} =$$

$$000 \ 1 - \ e^{k(x_1 - x_2)} < k(x_2 - x_1) \ 000 \ e^{k(x_1 - x_2)} - \ k(x_1 - x_2) - 1 > 0 \ 000 \ e^{k(x_1 - x_2)} - k(x$$

$$\exists \quad h(x) = e^x - 1 < 0$$

$$\therefore L(x)_{\square}(-\infty,0)_{\square\square\square\square\square\square}$$

$$\therefore H(x) > H(0) = 0$$

$$\therefore h(h(x_1 - x_2)) > 0$$

$$\therefore \frac{f(X_2) - f(X_1)}{X_2 - X_1} < f(X_2)$$

$$f(X_2) < \frac{f(X_2) - f(X_2)}{X_3 - X_2}$$

$$\frac{f(X_{2}) - f(X_{1})}{X_{2} - X_{1}} < f(X_{2}) < \frac{f(X_{2}) - f(X_{2})}{X_{2} - X_{2}}$$

$$9_{00000} f(x) = e^{x} - x - 1_{00} f(x) ... 0_{0}$$

 $\Box \Box \Box \Box a \Box$

 a_n 0 00000 x > 00 $f(x) = e^{ax} - x - 1 < 0$ 0000000

$$\bigcup_{x < \frac{-\ln a}{a}} f(x) < 0$$

$$X = -\frac{\ln a}{a} \qquad f(-\frac{\ln a}{a}) = \frac{1}{a} + \frac{\ln a}{a} - 1$$

$$\frac{1}{a} + \frac{\ln a}{a} - 1.0$$

$$0 < t < 1_{00} \mathcal{G}(t) > 0 \quad \mathcal{G}(t) = 0 \quad$$

$$0 t = 1$$

$$\Box \Box a = 1$$

$$(II)_{000000} k = \frac{f(X_2) - f(X_1)}{X_2 - X_1} = \frac{e^{Y_2} - e^{Y_2}}{X_2 - X_1} - 1$$

$$f(x) = f(x) - K = e^{x} - \frac{e^{x} - e^{x}}{X_{2} - X_{1}} = 0$$

$$t(X_1) = -\frac{e^{X_1}}{X_2 - X_1} [e^{X_2 - X_1} - (X_2 - X_1) - 1] \quad t(X_2) = \frac{e^{X_2}}{X_2 - X_1} [e^{X_1 - X_2} - (X_1 - X_2) - 1]$$

$$(I)_{00} f(x) = e^{x} - x - 1.0_{0} x = 0$$

$$C = e^{y_2 - x_1} - (x_2 - x_1) - 1.0_{\square} e^{y_1 - x_2} - (x_1 - x_2) - 1.0_{\square}$$

$$\therefore t(X_1) < 0 t(X_2) > 0$$

$\lim_{n\to\infty} X_n \in (X_{1_n}, X_{2_n}) \lim_{n\to\infty} f(X_n) = k_{n+1}$

$$1000000 f(x) = e^{xx} - X_{000} a \neq 0_{0}$$

0100000 $X \in R_0$ f(x)...1 00000 a000000

000000100 a < 000000 X > 0000 $f(x) = e^{ax} - X < 1$ 0000000

$$1 \quad a \neq 0 \quad \therefore a > 0$$

$$f(x) = ae^{ax} - 1_{00} f(x) = 0_{000} x = \frac{1}{a} ln \frac{1}{a}$$

$$\int f(x) < 0 \, \text{d} x < \frac{1}{a} \ln \frac{1}{a} \, \text{d} x = \int f(x) < 0 \, \text{d} x > \frac{1}{a} \ln \frac{1}{a} \, \text{d} x = 0$$

$$X = \frac{1}{a} \ln \frac{1}{a} \prod_{n=0}^{\infty} f(x) \prod_{n=0}^{\infty} f(\frac{1}{a} n \frac{1}{a}) = \frac{1}{a} - \frac{1}{a} \ln \frac{1}{a}$$

$$\therefore \underset{X \in R_{\square}}{\square} x \in R_{\square} f(x)..1 \underset{\square}{\square} \frac{1}{a} - \frac{1}{a} ln \frac{1}{a}..1$$

$$0 < t < 1_{00} \mathcal{G}(t) > 0 \quad \mathcal{G}(t) > 0 \quad \mathcal{G}(t) = 0 \quad \mathcal{G}(t) < 0 \quad$$

$$\therefore t = 1_{\bigcirc \bigcirc} \mathcal{G}(t)_{\bigcirc \bigcirc \bigcirc \bigcirc} \mathcal{G}_{\bigcirc 1 \bigcirc} = 1$$

$$\frac{1}{a} = 1$$

$$0 \quad a = 1$$

 $00000 \, ^{d} 000000 \, ^{\{1\}} 0$

$$K = \frac{e^{x_2} - e^{x_4}}{X_2 - X_4} - 1$$

$$\varphi(\mathbf{X}) = f'(\mathbf{X}) - \mathbf{K} = \partial e^{\mathbf{X}} - \frac{e^{\mathbf{X}_2} - e^{\mathbf{X}_3}}{\mathbf{X}_2 - \mathbf{X}_1} \mathbf{\varphi}(\mathbf{X}) = -\frac{e^{\mathbf{X}_3}}{\mathbf{X}_2 - \mathbf{X}_1} [e^{\mathbf{X}_2 - \mathbf{X}_3} - \partial(\mathbf{X}_2 - \mathbf{X}_3) - 1]$$

$$\varphi(X_2) = \frac{\mathcal{C}^{x_2}}{X_2 - X_1} [\mathcal{C}^{(x_1 - x_2)} - \mathcal{C}(X_1 - X_2) - 1]$$

$$_{\square}F(\hbar)=\vec{e}\cdot\ t\cdot\ 1_{\square\square}F(\hbar)=\vec{e}\cdot 1$$

$$\therefore t \neq 0$$
 $\bigcap F(t) > F(0) = 0$ $\bigcap \vec{e} - t - 1 > 0$

$$\frac{e^{2x_1}}{x_2 - x_1} > 0 \quad \frac{e^{2x_2}}{x_2 - x_1} > 0$$

$$\therefore \varphi(x_i) < 0 {\textstyle\prod} \varphi(x_i) > 0$$

$$\therefore \square \square \stackrel{C \in (X_1 \square X_2)}{\square} \varphi \square c \square = 0$$

$$C = \frac{1}{a} \ln \frac{e^{ax_2} - e^{ax_1}}{a(x_2 - x_1)}$$

$$\sum_{\alpha \in A} X \in \left(\frac{1}{a} \ln \frac{e^{x_{\underline{x}}} - e^{x_{\underline{x}}}}{a(x_{\underline{x}} - x_{\underline{x}})} \prod_{\alpha \in A} X_{\underline{x}}\right) \prod_{\alpha \in A} f(x) > k$$

$$0000000 X_0 \in (X_1 \cup X_2) \cup f(X_0) > K_{00000} X_{0000000} \left(\frac{1}{a} \ln \frac{e^{ax_2} - e^{ax_1}}{a(x_2 - x_1)} \cup X_2\right)$$



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